

IN THE SPECIFICATION

Please insert the following heading at page 1, before line 1:

TITLE OF THE INVENTION

Please insert the following headings at page 1, between lines 2 and 4 as follows:

BACKGROUND OF THE INVENTION

Field of the Invention

Please replace the paragraph at page 1, lines 4-20, with the following rewritten paragraphs:

The present invention relates to the acquisition of several distinct quantities with a view to their exploitation by a user system. It concerns, more particularly, but not exclusively, the acquisition of analogue quantities with a view to their exploitation by a digital processing system.

Discussion of the Background

In order to operate, numerous electronic systems for digital processing require periodic acquisitions of several distinct analogue quantities of diverse origins. These acquisitions are usually effected by means of a sampling analogue/digital converter equipped at the input with an analogue multiplexer with multiple inputs. The analogue multiplexer is addressed monotonically, by way of one or more chained counters which count at the sampling and conversion rate of the analogue/digital converter so as to have all of its inputs scanned periodically.

Please insert the following heading at page 2, between lines 14-15:

SUMMARY OF THE INVENTION